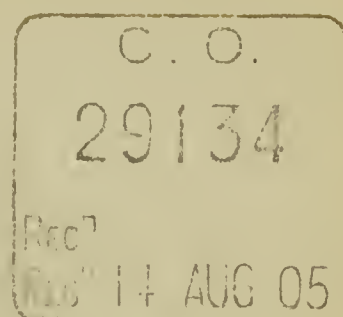


Federated Malay States.



THE MEDICAL REPORT

FOR THE

STATE OF PAHANG,

1904.

RETURN OF THE STATISTICS OF POPULATION OF PAHANG  
FOR THE YEAR 1904.

| State of Pahang.              |     |     |     |     | Europeans. | Eurasians. | Chinese. | Malays.  | Tamils. | Others. | Total. |
|-------------------------------|-----|-----|-----|-----|------------|------------|----------|----------|---------|---------|--------|
| No. of inhabitants in 1903 *  | ... | ... | ... | ... | 134        | 46         | 8,695    | 73,462   | 1,227   | 549     | 84,113 |
| „ Births during the year 1904 | ... | ... | ... | ... | 1          | 1          | 53       | 1,940    | 16      | 1       | 2,012  |
| „ Deaths „ 1904               | ... | ... | ... | ... | 1          | ...        | 1,009    | 1,245    | 31      | 5       | 2,291  |
| „ Immigrants „ 1904           | ... | ... | ... | ... |            |            | No       | records. |         |         |        |
| „ Emigrants „ 1904            | ... | ... | ... | ... |            |            | No       | records. |         |         |        |
| „ Inhabitants in 1904         | ... | ... | ... | ... |            |            | No       | records. |         |         |        |
| Increase, or                  | ... | ... | ... | ... |            |            |          |          |         |         |        |
| Decrease                      | ... | ... | ... | ... |            |            |          |          |         |         |        |

\* Census of 1901.

METEOROLOGICAL RETURN OF KUALA LIPIS FOR THE YEAR 1904.

|           |     |     | Temperature.      |                      |                   |                   |        | Rainfall. |                      | Winds.                 |                       |
|-----------|-----|-----|-------------------|----------------------|-------------------|-------------------|--------|-----------|----------------------|------------------------|-----------------------|
|           |     |     | Solar<br>Maximum. | Minimum on<br>Grass. | Shade<br>Maximum. | Shade<br>Minimum. | Range. | Mean.     | Amount in<br>Inches. | Degree<br>of Humidity. | General<br>Direction. |
| January   | ... | ... | Not recorded.     | Not recorded.        | 91.0              | 69.0              | 16.0   | 78.4      | 17.80                | Not recorded.          | Not recorded.         |
| February  | ... | ... |                   |                      | 92.0              | 68.0              | 18.7   | 80.0      | 2.81                 |                        |                       |
| March     | ... | ... |                   |                      | 99.5              | 68.0              | 22.8   | 82.4      | 2.30                 |                        |                       |
| April     | ... | ... |                   |                      | 97.5              | 70.0              | 22.6   | 82.2      | 6.51                 |                        |                       |
| May       | ... | ... |                   |                      | 96.0              | 68.0              | 20.4   | 82.1      | 6.15                 |                        |                       |
| June      | ... | ... |                   |                      | 94.0              | 67.0              | 18.7   | 81.0      | 5.29                 |                        |                       |
| July      | ... | ... |                   |                      | 92.0              | 68.0              | 19.0   | 80.5      | 4.54                 |                        |                       |
| August    | ... | ... |                   |                      | 93.0              | 67.0              | 19.5   | 80.6      | 3.25                 |                        |                       |
| September | ... | ... |                   |                      | 95.0              | 68.0              | 19.6   | 81.4      | 6.82                 |                        |                       |
| October   | ... | ... |                   |                      | 94.0              | 70.0              | 19.5   | 81.7      | 5.46                 |                        |                       |
| November  | ... | ... |                   |                      | 94.0              | 70.0              | 17.8   | 81.7      | 8.75                 |                        |                       |
| December  | ... | ... |                   |                      | 90.0              | 68.0              | 15.3   | 78.6      | 14.74                |                        |                       |
| Mean      | ... | ... | ...               | ...                  | 94.0              | 68.4              | 19.1   | 80.8      | 7.03                 |                        |                       |

RETURN OF DISEASES AND DEATHS IN 1904 AT THE FOLLOWING  
INSTITUTIONS:—

KUALA LIPIS GENERAL HOSPITAL, DISTRICT HOSPITALS AT RAUB, BENTONG  
AND PEKAN, AND GAOL HOSPITALS AT LIPIS AND PEKAN.

| Diseases.                    | * Remaining<br>in Hospital<br>at end of<br>1903. | Yearly Total.    |         | † Total<br>Cases<br>Treated. | ‡ Remaining<br>in Hospital<br>at end of<br>1904. |
|------------------------------|--|------------------|---------|------------------------------|--|
|                              |  | Admis-<br>sions. | Deaths. |                              |  |
| GENERAL DISEASES.            |  |                  |         |                              |  |
| Small-pox ... ..             | ...  | 2                | ...     | 2                            | ...  |
| Chicken-pox ... ..           | ...  | 3                | ...     | 3                            | ...  |
| Measles ... ..               | ...  | ...              | ...     | ...                          | ...  |
| Typhus ... ..                | ...  | ...              | ...     | ...                          | ...  |
| Dengue ... ..                | ...  | ...              | ...     | ...                          | ...  |
| Influenza ... ..             | ...  | 7                | ...     | 7                            | ...  |
| Plague ... ..                | ...  | ...              | ...     | ...                          | ...  |
| Mumps ... ..                 | ...  | 1                | ...     | 1                            | ...  |
| Diphtheria ... ..            | ...  | ...              | ...     | ...                          | ...  |
| Febricula ... ..             | ...  | 1                | ...     | 1                            | ...  |
| Enteric Fever ... ..         | ...  | 3                | ...     | 3                            | ...  |
| Cholera ... ..               | ...  | ...              | ...     | ...                          | ...  |
| Dysentery ... ..             | 14   | 115              | 37      | 129                          | 6  |
| Yellow Fever ... ..          | ...  | ...              | ...     | ...                          | ...  |
| Beri-beri ... ..             | 21   | 198              | 37      | 219                          | 20   |
| Malarial Fever—              |  |                  |         |                              |  |
| (a) Intermittent—            |  |                  |         |                              |  |
| Quotidian ... ..             | 5  | 35               | ...     | 40                           | ...  |
| Tertian ... ..               | 2  | 28               | ...     | 30                           | ...  |
| Quartan ... ..               | ...  | 12               | ...     | 12                           | 3  |
| Malignant ... ..             | ...  | 11               | 3       | 11                           | 1  |
| Type undiagnosed ... ..      | 16   | 519              | 22      | 535                          | 11   |
| (b) Remittent ... ..         | 3  | 6                | 1       | 9                            | ...  |
| (c) Pernicious R. ... ..     | ...  | 4                | 2       | 4                            | 2  |
| Phagedæna—                   |  |                  |         |                              |  |
| (a) Sloughing ... ..         | ...  | ...              | ...     | ...                          | ...  |
| (b) Hospital gangrene ... .. | ...  | ...              | ...     | ...                          | ...  |
| Erysipelas ... ..            | ...  | 2                | ...     | 2                            | ...  |
| Carried forward ...          | 61   | 947              | 102     | 1,008                        | 43   |

\* i.e., the year previous to that for which the Return is made.

† “Total cases treated” will, of course, include those remaining in Hospital at the end of the previous year.

‡ The figures in this column to be carried on to the next year's Return.

| Diseases.                  |     |     |     |     |     | * Remaining<br>in Hospital<br>at end of<br>1903. | Yearly Total.    |         | † Total<br>Cases<br>Treated. | ‡ Remaining<br>in Hospital<br>at end of<br>1904. |
|----------------------------|-----|-----|-----|-----|-----|--|------------------|---------|------------------------------|--|
|                            |     |     |     |     |     |  | Admis-<br>sions. | Deaths. |                              |  |
| GENERAL DISEASES---(cont.) |     |     |     |     |     |  |                  |         |                              |  |
| <i>Brought forward</i> ... |     |     |     |     |     | 61   | 947              | 102     | 1,008                        | 43   |
| Pyæmia                     | ... | ... | ... | ... | ... | ...  | ...              | ...     | ...                          | ...  |
| Septicæmia                 | ... | ... | ... | ... | ... | ...  | 2                | 1       | 2                            | ...  |
| Tetanus                    | ... | ... | ... | ... | ... | ...  | ...              | ...     | ...                          | ...  |
| Tubercle                   | ... | ... | ... | ... | ... | ...  | ...              | ...     | ...                          | ...  |
| Leprosy—                   |     |     |     |     |     |  |                  |         |                              |  |
| (a) Tubercular             | ... | ... | ... | ... | ... | ...  | 4                | ...     | 4                            | ...  |
| (b) Anæsthetic             | ... | ... | ... | ... | ... | ...  | ...              | ...     | ...                          | ...  |
| Yaws                       | ... | ... | ... | ... | ... | ...  | 1                | ...     | 1                            | ...  |
| Syphilis—                  |     |     |     |     |     |  |                  |         |                              |  |
| (a) Primary                | ... | ... | ... | ... | ... | ...  | 14               | ...     | 14                           | ...  |
| (b) Secondary              | ... | ... | ... | ... | ... | 2  | 5                | ...     | 7                            | ...  |
| (c) Tertiary               | ... | ... | ... | ... | ... | 6  | 23               | 2       | 29                           | 2  |
| Gonorrhœa                  | ... | ... | ... | ... | ... | ...  | 17               | ...     | 17                           | 1  |
| Hydrophobia                | ... | ... | ... | ... | ... | ...  | ...              | ...     | ...                          | ...  |
| Scurvy                     | ... | ... | ... | ... | ... | ...  | ...              | ...     | ...                          | ...  |
| Alcoholism                 | ... | ... | ... | ... | ... | ...  | ...              | ...     | ...                          | ...  |
| Delirium Tremens           | ... | ... | ... | ... | ... | ...  | 1                | ...     | 1                            | ...  |
| Rheumatic Fever            | ... | ... | ... | ... | ... | ...  | ...              | ...     | ...                          | ...  |
| Rheumatism                 | ... | ... | ... | ... | ... | 4  | 41               | ...     | 45                           | 2  |
| Gout                       | ... | ... | ... | ... | ... | ...  | ...              | ...     | ...                          | ...  |
| New Growth, non-malignant  | ... | ... | ... | ... | ... | ...  | 1                | ...     | 1                            | ...  |
| Do. malignant              | ... | ... | ... | ... | ... | ...  | ...              | ...     | ...                          | ...  |
| Rickets                    | ... | ... | ... | ... | ... | ...  | ...              | ...     | ...                          | ...  |
| Anæmia                     | ... | ... | ... | ... | ... | 3  | 58               | 8       | 61                           | 1  |
| Myxœdema                   | ... | ... | ... | ... | ... | ...  | ...              | ...     | ...                          | ...  |
| Diabetes mellitus          | ... | ... | ... | ... | ... | ...  | ...              | ...     | ...                          | ...  |
| Do. insipidus              | ... | ... | ... | ... | ... | ...  | ...              | ...     | ...                          | ...  |
| Debility                   | ... | ... | ... | ... | ... | 1  | 26               | 2       | 27                           | 1  |
| Other Diseases             | ... | ... | ... | ... | ... | ...  | 5                | ...     | 5                            | ...  |
| <i>Carried forward</i> ... |     |     |     |     |     | 77   | 1,145            | 115     | 1,222                        | 50   |

\* i.e., the year previous to that for which the Return is made.

† "Total cases treated" will, of course, include those remaining in Hospital at the end of the previous year.

‡ The figures in this column to be carried on to the next year's Return.



| Diseases.                        | * Remaining<br>in Hospital<br>at end of<br>1903. | Yearly Total.    |         | † Total<br>Cases<br>Treated. | ‡ Remaining<br>in Hospital<br>at end of<br>1904. |
|----------------------------------|--|------------------|---------|------------------------------|--|
|                                  |  | Admis-<br>sions. | Deaths. |                              |  |
| <i>Brought forward</i> ...       | 77   | 1,145            | 115     | 1,222                        | 50   |
| LOCAL DISEASES.                  |  |                  |         |                              |  |
| NERVOUS SYSTEM.                  |  |                  |         |                              |  |
| Sub-Section 1—                   |  |                  |         |                              |  |
| Neuritis ...                     | ...  | 5                | ...     | 5                            | ...  |
| Meningitis ...                   | ...  | ...              | ...     | ...                          | ...  |
| Myelitis ...                     | ...  | ...              | ...     | ...                          | ...  |
| Hydrocephalus ...                | ...  | ...              | ...     | ...                          | ...  |
| Encephalitis ...                 | ...  | ...              | ...     | ...                          | ...  |
| Abscess of Brain ...             | ...  | ...              | ...     | ...                          | ...  |
| Congestion of Brain ...          | ...  | ...              | ...     | ...                          | ...  |
| Sub-Section 2—                   |  |                  |         |                              |  |
| Apoplexy ...                     | ...  | ...              | ...     | ...                          | ...  |
| Paralysis ...                    | 1  | 3                | ...     | 4                            | 2  |
| Bed-sore ...                     | ...  | ...              | ...     | ...                          | ...  |
| Chorea ...                       | ...  | ...              | ...     | ...                          | ...  |
| Epilepsy ...                     | ...  | 1                | ...     | 1                            | ...  |
| Neuralgia ...                    | ...  | 3                | ...     | 3                            | 1  |
| Hysteria ...                     | ...  | ...              | ...     | ...                          | ...  |
| Sub-Section 3—                   |  |                  |         |                              |  |
| Idiocy ...                       | ...  | ...              | ...     | ...                          | ...  |
| Mania ...                        | ...  | 2                | 1       | 2                            | ...  |
| Melancholia ...                  | ...  | 2                | ...     | 2                            | ...  |
| Dementia ...                     | ...  | 2                | ...     | 2                            | 1  |
| Delusional Insanity ...          | ...  | ...              | ...     | ...                          | ...  |
| Other Diseases of the System ... | ...  | 2                | 1       | 2                            | ...  |
| EYE.                             |  |                  |         |                              |  |
| Conjunctiva—                     |  |                  |         |                              |  |
| Conjunctivitis ...               | ...  | 3                | ...     | 3                            | ...  |
| Cornea—                          |  |                  |         |                              |  |
| Keratitis ...                    | 1  | ...              | ...     | 1                            | ...  |
| Ulceration ...                   | 1  | 13               | ...     | 14                           | 2  |
| Opacity ...                      | ...  | ...              | ...     | ...                          | ...  |
| <i>Carried forward</i> ...       | 80   | 1,181            | 117     | 1,261                        | 56   |

\* i.e., the year previous to that for which the Return is made.

† "Total cases treated" will, of course, include those remaining in Hospital at the end of the previous year.

‡ The figures in this column to be carried on to the next year's Return.

| Diseases.   | * Remaining<br>in Hospital<br>at end of<br>1903. | Yearly Total.    |         | † Total<br>Cases<br>Treated. | ‡ Remaining<br>in Hospital<br>at end of<br>1904. |
|---|--|------------------|---------|------------------------------|--|
|   |  | Admis-<br>sions. | Deaths. |                              |  |
| <i>Brought forward</i> ...                          | 80   | 1,181            | 117     | 1,261                        | 56   |
| LOCAL DISEASES—(cont.)                              |  |                  |         |                              |  |
| EYE—(cont.)   |  |                  |         |                              |  |
| Schlerotic—   |  |                  |         |                              |  |
| Staphyloma...     ...     ...     ...               | 1  | ...              | ...     | 1                            | ...  |
| Iris—   |  |                  |         |                              |  |
| Iritis     ...     ...     ...     ...              | ...  | ...              | ...     | ...                          | ...  |
| Glaucoma     ...     ...     ...     ...            | ...  | ...              | ...     | ...                          | ...  |
| Hypopyon     ...     ...     ...     ...            | ...  | ...              | ...     | ...                          | ...  |
| Lens—   |  |                  |         |                              |  |
| Cataract     ...     ...     ...     ...            | 1  | 2                | ...     | 3                            | ...  |
| Eyelids—  |  |                  |         |                              |  |
| Entropion     ...     ...     ...     ...           | ...  | 1                | ...     | 1                            | ...  |
| Other Eye Diseases     ...     ...     ...     ...  | ...  | ...              | ...     | ...                          | ...  |
| EAR.  |  |                  |         |                              |  |
| Inflammation     ...     ...     ...     ...        | ...  | 1                | ...     | 1                            | ...  |
| Other Ear Diseases     ...     ...     ...     ...  | ...  | 2                | ...     | 2                            | 1  |
| NOSE.   |  |                  |         |                              |  |
| Inflammation     ...     ...     ...     ...        | ...  | ...              | ...     | ...                          | ...  |
| Other Nose Diseases     ...     ...     ...     ... | ...  | ...              | ...     | ...                          | ...  |
| CIRCULATORY SYSTEM.                                 |  |                  |         |                              |  |
| Membranes—  |  |                  |         |                              |  |
| Pericarditis...     ...     ...     ...             | ...  | 1                | 1       | 1                            | ...  |
| Endocarditis     ...     ...     ...     ...        | ...  | ...              | ...     | ...                          | ...  |
| Valvular Diseases     ...     ...     ...     ...   | ...  | 9                | 7       | 9                            | 1  |
| Muscular Substance—                                 |  |                  |         |                              |  |
| Hypertrophy     ...     ...     ...     ...         | ...  | ...              | ...     | ...                          | ...  |
| Dilatation     ...     ...     ...     ...          | ...  | ...              | ...     | ...                          | ...  |
| Other Diseases of the System     ...     ...        | ...  | 3                | 1       | 3                            | ...  |
| RESPIRATORY SYSTEM.                                 |  |                  |         |                              |  |
| Larynx—   |  |                  |         |                              |  |
| Laryngitis     ...     ...     ...     ...          | ...  | ...              | ...     | ...                          | ...  |
| <i>Carried forward</i> ...                          | 82   | 1,200            | 126     | 1,282                        | 58   |

\* i.e., the year previous to that for which the Return is made.

† "Total cases treated" will, of course, include those remaining in Hospital at the end of the previous year.

‡ The figures in this column to be carried on to the next year's Return.

| Diseases.                           | * Remaining<br>in Hospital<br>at end of<br>1903. | Yearly Total.    |         | † Total<br>Cases<br>Treated | ‡ Remaining<br>in Hospital<br>at end of<br>1904. |
|-------------------------------------|--|------------------|---------|-----------------------------|--|
|                                     |  | Admis-<br>sions. | Deaths. |                             |  |
| <i>Brought forward</i> ...          | 82   | 1,200            | 126     | 1,282                       | 58   |
| LOCAL DISEASES—( <i>cont.</i> )     |  |                  |         |                             |  |
| RESPIRATORY SYSTEM—( <i>cont.</i> ) |  |                  |         |                             |  |
| Bronchi—                            |  |                  |         |                             |  |
| Bronchitis ... ..                   | 2  | 47               | 2       | 49                          | 1  |
| Asthma ... ..                       | 3  | 7                | ...     | 10                          | 1  |
| Lung—                               |  |                  |         |                             |  |
| Congestion ... ..                   | ...  | ...              | ...     | ...                         | ...  |
| Hæmoptysis ... ..                   | ...  | 3                | 3       | 3                           | ...  |
| Pneumonia ... ..                    | ...  | 15               | 7       | 15                          | 1  |
| Gangrene ... ..                     | ...  | 1                | 1       | 1                           | ...  |
| Phthisis ... ..                     | 6  | 65               | 30      | 71                          | 8  |
| Emphysema ... ..                    | ...  | ...              | ...     | ...                         | ...  |
| Pleura—                             |  |                  |         |                             |  |
| Pleurisy ... ..                     | 1  | 9                | 3       | 10                          | 1  |
| Empyema ... ..                      | 1  | 1                | 2       | 2                           | ...  |
| Other Diseases of the System ... .. | ...  | 2                | ...     | 2                           | ...  |
| DIGESTIVE SYSTEM.                   |  |                  |         |                             |  |
| Mouth—                              |  |                  |         |                             |  |
| Stomatitis ... ..                   | ...  | 3                | 1       | 3                           | ...  |
| Dental Periostium—                  |  |                  |         |                             |  |
| Gum-boil ... ..                     | ...  | 4                | ...     | 4                           | ...  |
| Fances—                             |  |                  |         |                             |  |
| Tonsillitis ... ..                  | ...  | ...              | ...     | ...                         | ...  |
| Stomach—                            |  |                  |         |                             |  |
| Gastritis ... ..                    | ...  | 3                | ...     | 3                           | 1  |
| Dyspepsia ... ..                    | ...  | 23               | 1       | 23                          | ...  |
| Intestines—                         |  |                  |         |                             |  |
| Enteritis ... ..                    | ...  | 3                | 2       | 3                           | 1  |
| Appendicitis ... ..                 | ...  | 2                | ...     | 2                           | ...  |
| Hernia ... ..                       | 1  | 1                | ...     | 2                           | ...  |
| Constipation ... ..                 | ...  | 17               | ...     | 17                          | ...  |
| Diarrhoea ... ..                    | 8  | 92               | 19      | 100                         | 1  |
| <i>Carried forward</i> ...          | 104  | 1,498            | 197     | 1,602                       | 73   |

\* i.e., the year previous to that for which the Return is made.

† “Total cases treated” will, of course, include those remaining in Hospital at the end of the previous year.

‡ The figures in this column to be carried on to the next year’s Return.

| Diseases.                         | * Remaining<br>in Hospital<br>at end of<br>1903. | Yearly Total.    |         | † Total<br>Cases<br>Treated. | ‡ Remaining<br>in Hospital<br>at end of<br>1904. |
|-----------------------------------|--|------------------|---------|------------------------------|--|
|                                   |  | Admis-<br>sions. | Deaths. |                              |  |
| <i>Brought forward</i> ...        | 104  | 1,498            | 197     | 1,602                        | 73   |
| LOCAL DISEASES—( <i>cont.</i> )   |  |                  |         |                              |  |
| DIGESTIVE SYSTEM—( <i>cont.</i> ) |  |                  |         |                              |  |
| Intestinal obstructions ...       | ...  | 1                | ...     | 1                            | ...  |
| Colic ...                         | ...  | 6                | ...     | 6                            | ...  |
| Hemorrhoids ...                   | ...  | 2                | ...     | 2                            | ...  |
| Liver—                            |  |                  |         |                              |  |
| Hepatitis ...                     | ...  | 1                | 1       | 1                            | ...  |
| Abscess Liver ...                 | ...  | 3                | 1       | 3                            | ...  |
| Cirrhosis ...                     | ...  | 7                | 2       | 7                            | ...  |
| Congestion Liver ...              | ...  | 1                | ...     | 1                            | ...  |
| Jaundice ...                      | ...  | 8                | 3       | 8                            | ...  |
| Peritoneum—                       |  |                  |         |                              |  |
| Peritonitis ...                   | ...  | 1                | 1       | 1                            | ...  |
| Ascites ...                       | 1  | 3                | 1       | 4                            | 1  |
| Other Diseases of the System ...  | 1  | 2                | 1       | 3                            | ...  |
| LYMPHATIC SYSTEM.                 |  |                  |         |                              |  |
| Spleen—                           |  |                  |         |                              |  |
| Splenitis ...                     | ...  | 23               | ...     | 23                           | 2  |
| Bubo ...                          | ...  | 12               | ...     | 12                           | ...  |
| Lymphangitis ...                  | ...  | 2                | ...     | 2                            | ...  |
| Elephantiasis ...                 | ...  | ...              | ...     | ...                          | ...  |
| Other Diseases of the System ...  | ...  | 2                | ...     | 2                            | ...  |
| URINARY SYSTEM.                   |  |                  |         |                              |  |
| Kidney—                           |  |                  |         |                              |  |
| Acute Nephritis ...               | ...  | ...              | ...     | ...                          | ...  |
| Bright's Disease ...              | 1  | 17               | 6       | 18                           | 2  |
| Hæmaturia ...                     | ...  | 1                | ...     | 1                            | ...  |
| Chyluria ...                      | ...  | ...              | ...     | ...                          | ...  |
| Bladder—                          |  |                  |         |                              |  |
| Cystitis ...                      | ...  | 5                | 1       | 5                            | ..   |
| Calculus ...                      | ...  | ...              | ...     | ...                          | ...  |
| Other Diseases of the System ...  | ...  | 1                | ...     | 1                            | ...  |
| <i>Carried forward</i> ...        | 107  | 1,596            | 214     | 1,703                        | 78   |

\* *i.e.*, the year previous to that for which the Return is made.

† “Total cases treated” will, of course, include those remaining in Hospital at the end of the previous year.

‡ The figures in this column to be carried on to the next year's Return



| Diseases.                      | * Remaining<br>in Hospital<br>at end of<br>1903. | Yearly Total.    |         | † Total<br>Cases<br>Treated. | ‡ Remaining<br>in Hospital<br>at end of<br>1904. |
|--------------------------------|--|------------------|---------|------------------------------|--|
|                                |  | Admis-<br>sions. | Deaths. |                              |  |
| <i>Brought forward</i> ...     | 107  | 1,596            | 214     | 1,703                        | 78   |
| LOCAL DISEASES—(cont.)         |  |                  |         |                              |  |
| GENERATIVE SYSTEM.             |  |                  |         |                              |  |
| Urethra—                       |  |                  |         |                              |  |
| Stricture ... ..               |  | 1                | ...     | 1                            | 1  |
| Prepuce—                       |  |                  |         |                              |  |
| Phimosis ... ..                |  | 2                | ...     | 2                            | 1  |
| Paraphimosis ... ..            |  | ...              | ...     | ...                          | ...  |
| Penis—                         |  |                  |         |                              |  |
| Soft Chancre ... ..            |  | 1                | ...     | 1                            | 1  |
| Scrotum—                       |  |                  |         |                              |  |
| Sloughing Scrotum ... ..       |  | ...              | ...     | ...                          | ...  |
| Tunica Vaginalis—              |  |                  |         |                              |  |
| Hydrocele ... ..               |  | ...              | ...     | ...                          | ...  |
| Testicle—                      |  |                  |         |                              |  |
| Orchitis ... ..                | 1  | 5                | ...     | 6                            | ...  |
| Epididymitis ... ..            |  | ...              | ...     | ...                          | ...  |
| Other Diseases (male) ... ..   |  | ...              | ...     | ...                          | ...  |
| Uterus—                        |  |                  |         |                              |  |
| Metritis ... ..                |  | ...              | ...     | ...                          | ...  |
| Uterine Displacements ... ..   |  | ...              | ...     | ...                          | ...  |
| Amenorrhœa ... ..              |  | ...              | ...     | ...                          | ...  |
| Dysmenorrhœa ... ..            |  | ...              | ...     | ...                          | ...  |
| Menorrhagia ... ..             |  | ...              | ...     | ...                          | ...  |
| Leucorrhœa ... ..              |  | ...              | ...     | ...                          | ...  |
| Other Diseases (female) ... .. |  | ...              | ...     | ...                          | ...  |
| ORGANS OF LOCOMOTION.          |  |                  |         |                              |  |
| Bones—                         |  |                  |         |                              |  |
| Ostitis ... ..                 |  | 1                | ...     | 1                            | ...  |
| Periostitis ... ..             |  | 2                | ...     | 2                            | ...  |
| Caries ... ..                  | 1  | 1                | ...     | 2                            | ...  |
| Necrosis ... ..                |  | 1                | ...     | 1                            | ...  |
| <i>Carried forward</i> ...     | 109  | 1,610            | 214     | 1,719                        | 81   |

\* i.e., the year previous to that for which the Return is made.

† "Total cases treated" will, of course, include those remaining in Hospital at the end of the previous year.

‡ The figures in this column to be carried on to the next year's Return.

| Diseases.                    | * Remaining<br>in Hospital<br>at end of<br>1903. | Yearly Total.    |         | † Total<br>Cases<br>Treated. | ‡ Remaining<br>in Hospital<br>at end of<br>1904. |
|------------------------------|--|------------------|---------|------------------------------|--|
|                              |  | Admis-<br>sions. | Deaths. |                              |  |
| <i>Brought forward</i> ...   | 109  | 1,610            | 214     | 1,719                        | 81   |
| LOCAL DISEASES—(cont.)       |  |                  |         |                              |  |
| ORGANS OF LOCOMOTION—(cont.) |  |                  |         |                              |  |
| Joints—                      |  |                  |         |                              |  |
| Synovitis ... ..             | 2  | 7                | ...     | 9                            | ...  |
| Ankylosis ... ..             | ...  | ...              | ...     | ...                          | ...  |
| Spine—                       |  |                  |         |                              |  |
| Caries Spine ... ..          | ...  | 1                | ...     | 1                            | 1  |
| Curvature Spine ... ..       | ...  | ...              | ...     | ...                          | ...  |
| Muscles—                     |  |                  |         |                              |  |
| Myalgia ... ..               | ...  | 6                | ...     | 6                            | ...  |
| Other Diseases ... ..        | ...  | 4                | 3       | 4                            | ...  |
| CONNECTIVE TISSUE.           |  |                  |         |                              |  |
| Cellulitis ... ..            | ...  | 2                | 1       | 2                            | ...  |
| Abscess ... ..               | 5  | 51               | 2       | 56                           | 5  |
| Gangrene ... ..              | ...  | 5                | 2       | 5                            | 1  |
| Other Diseases ... ..        | ...  | 2                | 1       | 2                            | ...  |
| SKIN.                        |  |                  |         |                              |  |
| Eczema ... ..                | ...  | 10               | ...     | 10                           | ...  |
| Psoriasis ... ..             | ...  | ...              | ...     | ...                          | ...  |
| Herpes... ..                 | ...  | ...              | ...     | ...                          | ...  |
| Do. Zoster... ..             | ...  | ...              | ...     | ...                          | ...  |
| Ulcer ... ..                 | 31   | 211              | 4       | 242                          | 24   |
| Boil ... ..                  | ...  | 6                | ...     | 6                            | ...  |
| Carbuncle ... ..             | ...  | 1                | ...     | 1                            | ...  |
| Onychia ... ..               | ...  | ...              | ...     | ...                          | ...  |
| Whitlow ... ..               | 1  | 1                | ...     | 2                            | ...  |
| Other Diseases ... ..        | ...  | ...              | ...     | ...                          | ...  |
| GENERAL INJURIES.            |  |                  |         |                              |  |
| Burns and Scalds ... ..      | ...  | ...              | ...     | ...                          | ...  |
| Sunstroke ... ..             | ...  | ...              | ...     | ...                          | ...  |
| Multiple Injury ... ..       | ...  | 3                | ...     | 3                            | 1  |
| Starvation ... ..            | ...  | ...              | ...     | ...                          | ...  |
| Shock ... ..                 | ...  | ...              | ...     | ...                          | ...  |
| <i>Carried forward</i> ...   | 148  | 1,920            | 227     | 2,068                        | 113  |

\* i.e., the year previous to that for which the Return is made.  
† “Total cases treated” will, of course, include those remaining in Hospital at the end of the previous year.  
‡ The figures in this column to be carried on to the next year’s Return.

| Diseases.                   | * Remaining<br>in Hospital<br>at end of<br>1903. | Yearly Total.    |         | † Total<br>Cases<br>Treated. | ‡ Remaining<br>in Hospital<br>at end of<br>1904. |
|-----------------------------|--|------------------|---------|------------------------------|--|
|                             |  | Admis-<br>sions. | Deaths. |                              |  |
| <i>Brought forward</i> ...  | 148  | 1,920            | 227     | 2,068                        | 113  |
| LOCAL INJURIES.             |  |                  |         |                              |  |
| Burns and Scalds ...        | ...  | 3                | ...     | 3                            | 1  |
| Wounds ...                  | 1  | 68               | ...     | 69                           | 7  |
| Sprains ...                 | ...  | 5                | ...     | 5                            | ...  |
| Dislocations ...            | ...  | ...              | ...     | ...                          | ...  |
| Fractures, simple ...       | 1  | 6                | ...     | 7                            | 1  |
| Do. compound... ..          | 1  | 4                | ...     | 5                            | 2  |
| Other Injuries ...          | 1  | 17               | ...     | 18                           | 1  |
| § Surgical Operations ...   | 1  | 1                | ...     | 2                            | ...  |
| Tumours ...                 | 3  | 1                | 1       | 4                            | ...  |
| POISONS.                    |  |                  |         |                              |  |
| Mercury ...                 | ...  | ...              | ...     | ...                          | ...  |
| Alcohol ...                 | ...  | ...              | ...     | ...                          | ...  |
| Opium... ..                 | ...  | ...              | ...     | ...                          | ...  |
| Other Poisons... ..         | ...  | ...              | ...     | ...                          | ...  |
| Poisoned Wounds ...         | ...  | 3                | 1       | 3                            | ...  |
| PARASITES.                  |  |                  |         |                              |  |
| Distomum Sinense ...        | ...  | ...              | ...     | ...                          | ...  |
| Tœnia Solium... ..          | ...  | ...              | ...     | ...                          | ...  |
| Ascaris Lumbricoides ...    | ...  | 1                | ...     | 1                            | ...  |
| Anchylostomum Duodenale ... | ...  | 1                | 1       | 1                            | ...  |
| Oxyuris Vermicularis ...    | ...  | ...              | ...     | ...                          | ...  |
| Filaria Medinensis ...      | ...  | ...              | ...     | ...                          | ...  |
| Acarus Scabiei ...          | ...  | 10               | ...     | 10                           | 1  |
| Tinea Circinata ...         | ...  | ...              | ...     | ...                          | ...  |
| Other Parasites ...         | ...  | 5                | ...     | 5                            | ...  |
| Under Observation ...       | ...  | 8                | 2       | 8                            | ...  |
| TOTAL ...                   | 156  | 2,053            | 232     | 2,209                        | 126  |

\* i.e., the year previous to that for which the Return is made.

† "Total cases treated" will, of course, include those remaining in Hospital at the end of the previous year.

‡ The figures in this column to be carried on to the next year's Return.

§ There were 94 operations performed including major and minor operations.





# FEDERATED MALAY STATES.

## STATE OF PAHANG.

### PAHANG MEDICAL REPORT, 1904.

#### GENERAL HEALTH.

The general health of the population was good throughout the year, no particular seasonal prevalence of disease is to be noted, with the exception that the number of cases of beri-beri reported admitted to the Pahang Corporation's hospital at Sungei Lembing and the mine hospitals at Belat, was markedly increased during the wet months of the north-east monsoon.

#### POPULATION AND VITAL STATISTICS.

2. Approximately accurate figures of population are not available in the absence of emigration and immigration returns. It is therefore impossible to calculate the vital statistics for all nationalities for the State.

As regards the Malay population the returns are probably sufficiently accurate to form a general idea of the public health.

The estimated population on 1st January, 1904, was 74,123, the deaths during the year numbered 1,245, giving a mortality for the State of 16.7 per thousand.

The births among Malays outnumber the deaths by 695, the birth-rate per thousand being 26.3. These figures do not show a very rapid increase in the native population; this slow increase is due to the very low birth-rate rather than any excessive mortality.

#### IN-PATIENTS.

3. The total number of admissions to all hospitals was 2,050, as compared with 1,899 in 1903, the largest increase was at Bentong; Raub and Pekan also show increases; at Lipis the admissions fell from 409 in 1903 to 331.

The mean mortality for all hospitals was 10.51, the highest death-rate was at Raub—viz., 14.28 per cent.; the lowest at Lipis, 3.41 per cent.

At Raub hospital, out of a total of 76 deaths, no less than 24 occurred within 48 hours of admission, excluding these cases which may be fairly said not to have come under treatment the mortality at this hospital was 10.23. At Bentong the mortality shows a satisfactory decrease from 15.48 in 1903 to 11.54 during the year under review, there were at this hospital 25 fatal cases within 48 hours of admission.

The Malay population, numbering some 74,000 souls, does not seek, to any great extent, treatment in our hospitals, the total number of admissions of these people during the year was 220.

The subjoined table gives the totals treated and mortality at the various hospitals during the past three years:

|             |     | 1902.          |                       | 1903.          |                       | 1904.          |                       |
|-------------|-----|----------------|-----------------------|----------------|-----------------------|----------------|-----------------------|
| —           |     | Total treated. | Percentage of deaths. | Total treated. | Percentage of deaths. | Total treated. | Percentage of deaths. |
| Kuala Lipis | ... | 565            | 6.72                  | 432            | 6.04                  | 351            | 3.41                  |
| Raub        | ... | 538            | 12.26                 | 472            | 11.65                 | 532            | 14.28                 |
| Bentong     | ... | 463            | 25.70                 | 833            | 15.48                 | 1,066          | 11.54                 |
| Pekan       | ... | 211            | 2.36                  | 187            | 4.81                  | 218            | 9.01                  |

Twenty patients were admitted to the European ward at Lipis with one death.

#### CONTAGIOUS DISEASES.

4. Two cases of small-pox were treated at Bentong and one at Pekan. No other contagious disease of a dangerous nature came under observation in any part of the State.

## VACCINATION.

5. Three thousand six hundred and thirty-eight operations for vaccination were performed during the year, 431 cases are reported as having failed, giving a percentage of 84 of successful cases after deducting 855 cases in which the results were "not seen."

The number vaccinated compares favourably with the total births. Vaccination was not compulsory, the Vaccination Enactment not yet being law.

The subjoined table shows number of vaccinations for the past three years:

| Year. |     |     |     |     |     | Vaccinations. | Percentage of<br>successful cases. |       |
|-------|-----|-----|-----|-----|-----|---------------|------------------------------------|-------|
| 1902  | ... | ... | ..  | ... | ... | 2,499         | ...                                | 80.43 |
| 1903  | ... | ... | ... | ... | ... | 2,231         | ...                                | 74.00 |
| 1904  | ... | ... | ... | ... | ... | 3,638         | ...                                | 84.00 |

## SPECIAL DISEASES.

6. MALARIAL FEVERS caused 641 admissions to hospital with 28 deaths; of these, 143 with 11 deaths occurred at Raub and 382 with 16 deaths at Bentong.

The District Surgeon, Raub, Dr. Harrison, remarks that the cases of malarial fever in Raub hospital are chiefly imported from Tras and consist of the benign quartan and malignant type. It is noticeable, as showing the malignity of these cases of quartan fever from Tras, that seven died within 48 hours of admission to the wards.

At the Kuala Lipis hospital only one case of quartan fever was observed, the majority of cases were benign tertian. Malignant tertian and mixed infections are common. There were no fatal cases of intermittent malarial fever at this hospital.

The admissions for malarial fever from the Police Force again show a marked decrease.

|                             |  |  |  |  | 1902. | 1903. |    | 1904. |    |
|-----------------------------|--|--|--|--|-------|-------|----|-------|----|
| Admissions for malaria from |  |  |  |  |       |       |    |       |    |
| Police Force                |  |  |  |  | 116   | ...   | 65 | ...   | 18 |

BERI-BERI.—The severity of this disease as met with in the State hospitals is greatly diminished, it may almost be said, that if uncomplicated by malaria, tubercular disease or diarrhœa, it is rarely fatal.

At Kuantan, in the Belat and Sungei Lembing mining districts, it is still very severe, the Surgeon in charge of the Pahang Corporation's hospital at Sungei Lembing reports 251 cases treated with 95 deaths, showing a case-mortality of 37.84 per cent.

At Belat there were 179 cases treated with a death-rate of 29.05 per cent.

## BERI-BERI CASES TREATED IN ALL STATE HOSPITALS.

|      |     |     |     |     | Total treated. | Deaths. |    | Mortality. |       |
|------|-----|-----|-----|-----|----------------|---------|----|------------|-------|
| 1900 | ... | ... | ... | ... | 158            | ...     | 18 | ...        | 11.39 |
| 1901 | ... | ... | ... | ... | 245            | ...     | 52 | ...        | 21.22 |
| 1902 | ... | ... | ... | ... | 144            | ...     | 44 | ...        | 30.35 |
| 1903 | ... | ... | ... | ... | 157            | ...     | 35 | ...        | 22.29 |
| 1904 | ... | ... | ... | ... | 219            | ...     | 37 | ...        | 16.89 |

## DYSENTERY AND DIARRHŒA.

Two hundred and twenty-nine cases, with 56 deaths, were treated, giving a case-mortality of 24.45 per cent.; the chronic forms of these are very intractable, acute dysentery is not common and is generally very amenable to treatment.

## TUBERCULOSIS.

Including hæmoptysis and phthisis there were 94 cases with 42 deaths. As the subjoined table indicates there is a regular and rapid increase of pulmonary phthisis, the incidence of this disease is almost entirely amongst the Chinese population.

## PHTHISIS.

| 1901.  |    |         | 1902.  |    |         | 1903.  |    |         | 1904.  |    |         |
|--------|----|---------|--------|----|---------|--------|----|---------|--------|----|---------|
| Cases. |    | Deaths. | Cases. |    | Deaths. | Cases. |    | Deaths. | Cases. |    | Deaths. |
| 22     | 12 | ...     | 26     | 12 | ...     | 48     | 20 | ...     | 71     | 30 | ...     |



## OUT-PATIENTS.

7. The number of patients seeking relief at the "out-door" department was 10,900, as against 8,428 in 1903 and 7,620 in 1902, the total treated for the year, including repetitions, being 13,312.

A dispensary was opened at Tras in May, and was visited twice weekly by a Dresser from Raub, 468 cases were treated at this dispensary during the year.

Upon my visits of inspection down river considerable quantities of drugs have been distributed to the Malays, there is much sickness amongst the village population, the children and young adults being the chief sufferers, these villagers can hardly be expected to come in to the station hospitals, but they are always most anxious for European drugs and methods of treatment when available.

## SANITATION.

8. The sanitary conditions of the townships at Raub and Bentong have been improved by extensions of brick drains and some clearing has been done round the latter township.

## METEOROLOGICAL.

9. The past year was a dry one, the rainfall in all the up-country stations being below the average. The heaviest rainfall was at the coast districts, as is usual, the greatest monthly falls occurred in January and December.

The mean annual rainfall for the two coast stations was 120.65 inches, whilst that of the four up-country stations was 75.52 inches.

The maximum shade temperature of the year,  $99.5^{\circ}$ , was recorded on 29th March at Kuala Lipis. The minimum shade temperature—viz.,  $65.0^{\circ}$ , occurred at Raub on 7th July. The thermometers were kept in well shaded verandahs, standard meteorological sheds will in future be used for these records. The mean temperature for the year at Kuala Lipis was  $80.8^{\circ}$ .

Records of rainfall are now available for ten years from Kuala Lipis, Pekan and Kuantan, the average fall for the decennary, 1895 to 1904, at these stations was as under :

|               |     |     |     |     |     |     | Mean rainfall for<br>past 10 years. |
|---------------|-----|-----|-----|-----|-----|-----|-------------------------------------|
| Kuala Lipis   | ... | ... | ... | ... | ... | ... | 98.69 inches                        |
| Pekan         | ... | ... | ... | ... | ... | ... | 137.03 ..                           |
| Kuala Kuantan | ... | ... | ... | ... | ... | ... | 115.41 ..                           |

## GENERAL.

10. The following return was received from Dr. Dodds, the Surgeon in charge of the Pahang Corporation's hospital at Sungei Lembing and Kuala Kuantan :

| —                  | Patients in<br>hospitals,<br>1-1-04. | Admitted<br>during the<br>year. | Discharged<br>relieved<br>or cured. | Died. | Absconded. | Transferred. |
|--------------------|--------------------------------------|---------------------------------|-------------------------------------|-------|------------|--------------|
| Kuala Kuantan ...  | 57                                   | 289                             | 175                                 | 101   | 2          | ...          |
| Sungei Lembing ... | 36                                   | 681                             | 353                                 | 174   | ...        | 146          |
| Total ...          | 93                                   | 970                             | 528                                 | 275   | 2          | 146          |

These figures are significant of a heavy sick-rate. The labour force at the Corporation's mine being about 1,200 men. The hospital mortality of over 25 per cent. is very high. Dr. Dodds also reports the number of deaths among out-patients as 34.

The Manager of the Belat Mining Syndicate has kindly supplied me with the following figures showing the number of patients treated in the hospital maintained by this Company at Belat :

| Remained in hospital<br>on 1-1-04. | Admissions. | Total treated. | Deaths. | Percentage of<br>deaths. |
|------------------------------------|-------------|----------------|---------|--------------------------|
| 23                                 | 561         | 586            | 75      | 12.79                    |

A Government hospital at Kuala Kuantan was in course of construction during the year, and the need for such institution was urgent.

S. LUCY.

*State Surgeon.*

